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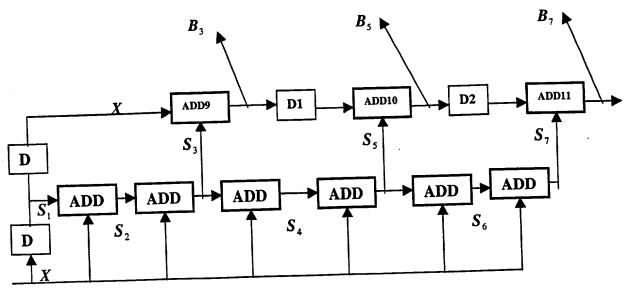
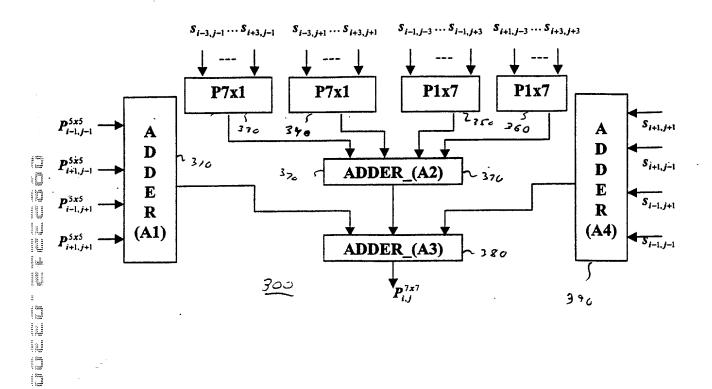


FIG. 2



FIC.3

	$P_{0,0}^{kxk}$ $P_{1,0}^{kxk}$	$oldsymbol{P_{0,1}^{kxk}} \ oldsymbol{P_{1,1}^{kxk}}$	•••			$egin{aligned} P_{0,N-1}^{kxk} \ P_{1,N-1}^{kxk} \end{aligned}$
			•		•	
$P^{kxk} =$	:	•	$P_{i,j}^{kxk}$			
	•	•	•	٠	•	
	•		•	•		
	$P_{M-1,0}^{kxk}$	$P_{M-1,1}^{kxk}$	•••			$P_{M-1,N-1}^{kxk}$

The first fi

Ţ.	s <sub>0,0</sub>	$\boldsymbol{s}_{0,1}$	•	• • •	•	•	$s_{0,N-1}$
	<b>s</b> <sub>1,0</sub>	•		•	•	•	$s_{1,N-1}$
	•	•	$s_{i-1,j-1}$	$s_{i-1,j}$	$S_{i-1,j+1}$	•	•
S =	:	•	$s_{i,j-1}$	$s_{i,j}$	$s_{i,j+1}$	٠	
		•	$s_{i+1,j-1}$	$s_{i+1,j}$	$S_{i+1,j+1}$	•	
	•	•	•	•	•	•	
	$S_{M-1,0}$	$s_{M-1,1}$	•	•••		•	$S_{M-1,N-1}$

$$F_{kxk} = \begin{bmatrix} 1 \\ 2 \\ 3 \\ \vdots \\ \frac{k-1}{2} \\ \vdots \\ 3 \\ 2 \\ 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 & \cdots & \frac{k-1}{2} & 4 & 3 & 2 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & 3 & \cdots & \frac{k-1}{2} & \cdots & 3 & 2 & 1 \\ 2 & 4 & 6 & \cdots & \frac{2(k-1)}{2} & \cdots & 6 & 4 & 2 \\ 3 & 6 & 9 & \cdots & \frac{3(k-1)}{2} & \cdots & 9 & 6 & 3 \\ \vdots & \vdots \\ \frac{k-1}{2} & \frac{2(k-1)}{2} & \frac{3(k-1)}{2} & \cdots & \frac{(k-1)^*(k-1)}{4} & \cdots & \frac{3(k-1)}{2} & \frac{2(k-1)}{2} & \frac{k-1}{2} \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 3 & 6 & 9 & \cdots & \frac{3(k-1)}{2} & \cdots & 9 & 6 & 3 \\ 2 & 4 & 6 & \cdots & \frac{2(k-1)}{2} & \cdots & 6 & 4 & 2 \\ 1 & 2 & 3 & \cdots & \frac{k-1}{2} & \cdots & 3 & 2 & 1 \end{bmatrix}$$

FIG. 6

$$F_{9x9} = \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 4 \\ 3 \\ 2 \\ 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 4 & 3 & 2 & 1 \\ 2 & 4 & 6 & 8 & 10 & 8 & 6 & 4 & 2 \\ 3 & 6 & 9 & 12 & 15 & 12 & 9 & 6 & 3 \\ 4 & 8 & 12 & 16 & 20 & 16 & 12 & 8 & 4 \\ 5 & 10 & 15 & 20 & 25 & 20 & 15 & 10 & 5 \\ 4 & 8 & 12 & 16 & 20 & 16 & 12 & 8 & 4 \\ 3 & 6 & 9 & 12 & 15 & 12 & 9 & 6 & 3 \\ 2 & 4 & 6 & 8 & 10 & 8 & 6 & 4 & 2 \\ 1 & 2 & 3 & 4 & 5 & 4 & 3 & 2 & 1 \end{bmatrix}$$

FIG. 7

FIG. 8

$$m{P}^{kx1} = egin{bmatrix} m{P}^{kx1}_{0,0} & m{P}^{kx1}_{0,1} & \cdots & \cdots & \cdots & m{P}^{kx1}_{0,N-1} \ m{P}^{kx1}_{1,0} & m{P}^{kx1}_{1,1} & \cdots & \cdots & \cdots & m{P}^{kx1}_{1,N-1} \ & \cdots & \cdots & \ddots & \ddots & \ddots \ & \cdots & \cdots & \cdots & \cdots & \ddots \ & \cdots & \cdots & \cdots & \cdots & \ddots \ & \cdots & \cdots & \cdots & \cdots & \cdots & \ddots \ m{P}^{kx1}_{M-1,0} & m{P}^{kx1}_{M-1,1} & \cdots & \cdots & \cdots & \mathbf{P}^{kx1}_{M-1,N-1} \ \end{pmatrix}$$

FIG. 9